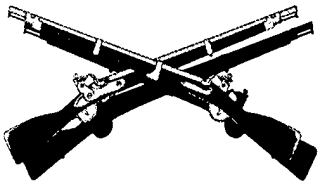




# DISMOUNTED LIGHT FORCE REQUIREMENTS 2010

COL Henry L. (Hank) Morrison  
TSM - Soldier

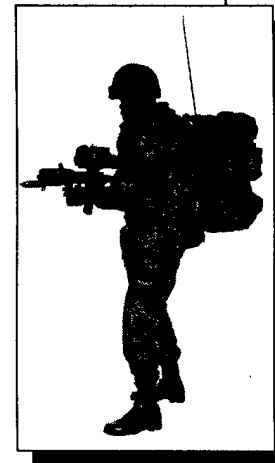
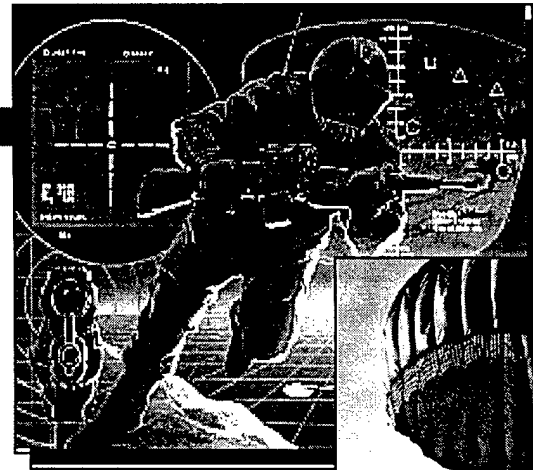
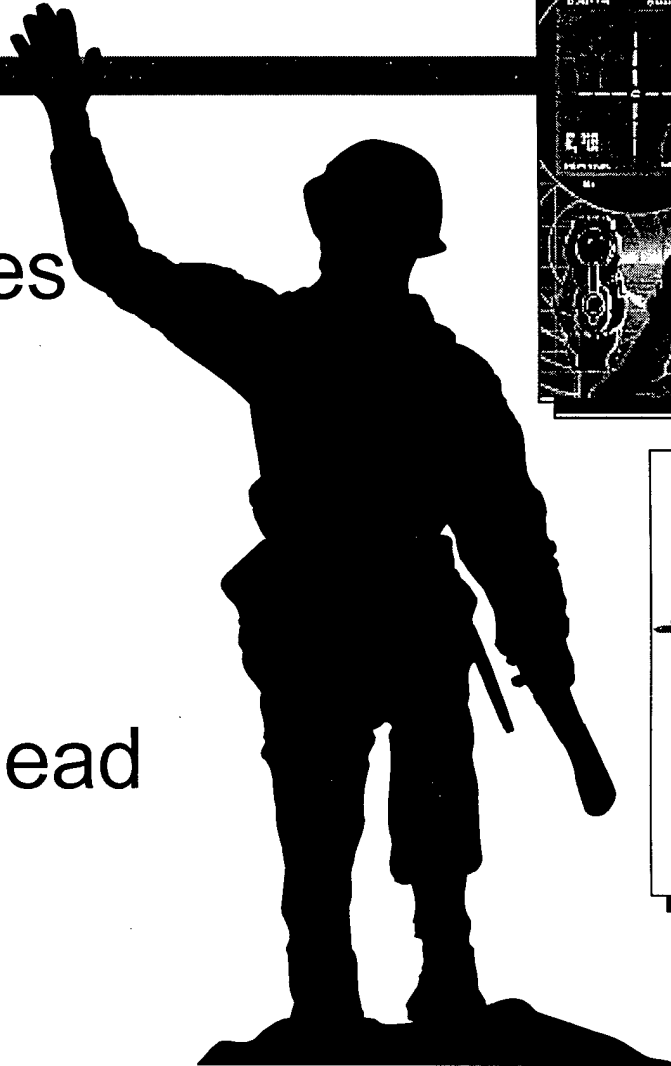


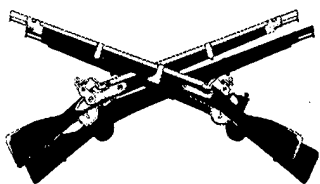


# Agenda



- Objectives
- Concept
- Mission
- Threat
- Road Ahead

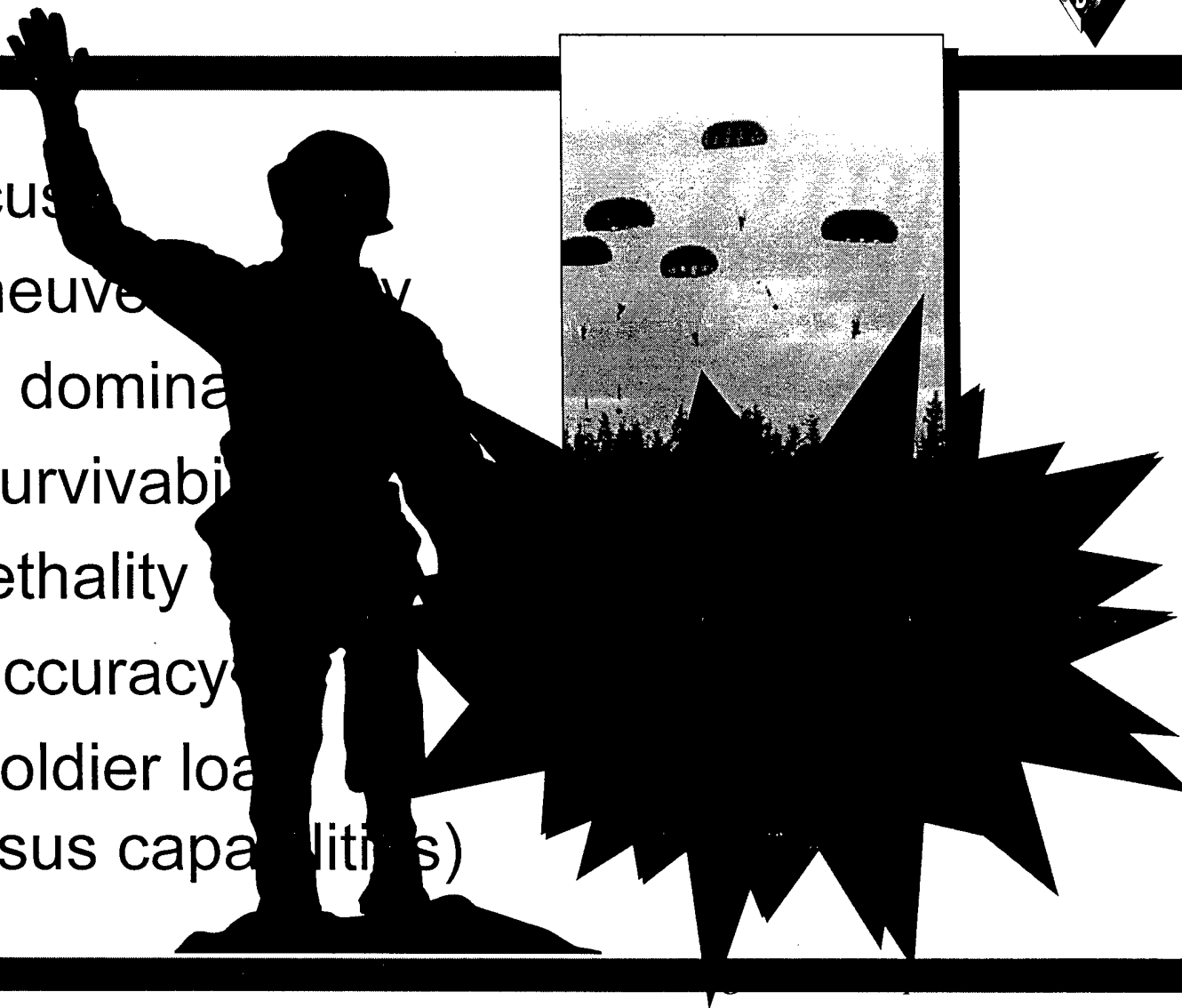


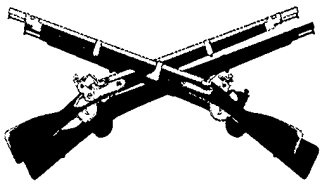


# Light Infantry 2010 Objectives



- Tactical focus
- Global maneuver
- Information dominance
- Improved survivability
- Improved lethality
- Improved accuracy
- Improved soldier load  
(weight versus capabilities)



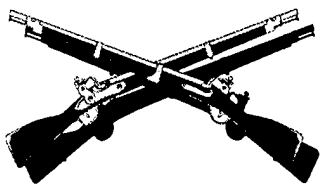


# Light Infantry Concept

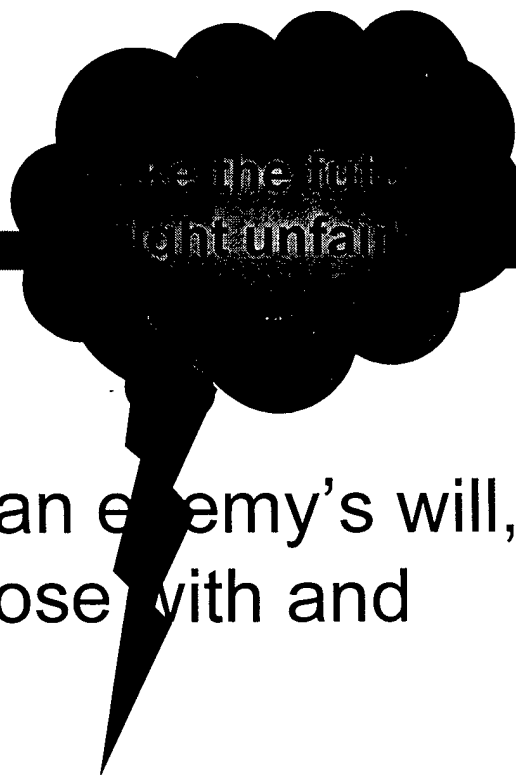


- Light Infantry force
  - Strategic and operational mobility of Ranger, Light, & Air Assault Forces
  - Tactical mobility focused by firepower & survivability
- Maintain capability to win in restricted terrain
- Overwhelm enemy forces in close fight & hold ground
- Increase precision firepower – out range the enemy
- Fight jointly & combined with other services
- Operate with extended logistics tail (CONUS based force)

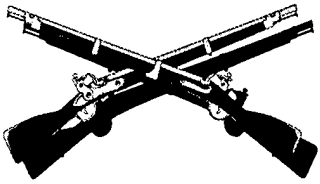




# Premise



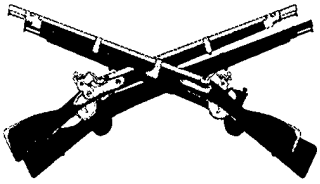
- To influence and come an enemy's will, he must know that he is close with and destroy him
- Overwhelming Mass firepower, and shock effect remain predominant factors in the close fight



# Assumptions



- Information dominance enables precision maneuver & targeting
- Operational success is dependent upon speed and mobility
  - Decisions assured with or without real time
  - Support platforms achieve speed of deployment
  - Being “first with the move” involves risk and begins process of psychological dominance
- Extended urban conditions - Military Operations on Urban Terrain (MOUT) focus increases
- Increased digitization = increased power requirements



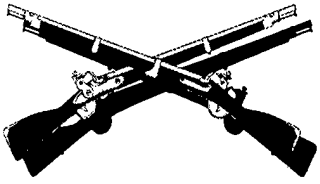
# Light Infantry Mission



PAST...PRESENT...FUTURE

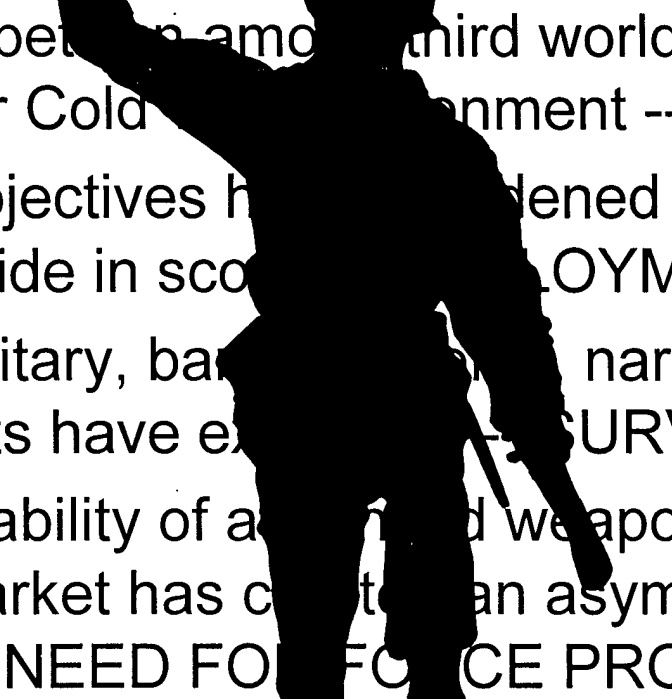
Close with the enemy by means of fire and maneuver to defeat or capture him, to repel his assault by fire, close combat, and counter attack



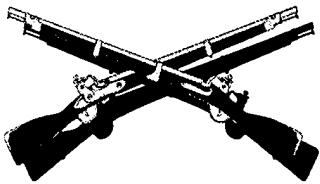


# Light Infantry Threat



- 
- 
- Multi-polar competition among third world countries has replaced bipolar Cold War environment -- THREAT ↑
  - U.S. security objectives have widened from a European focus to worldwide in scope -- DEPLOYMENTS ↑
  - Rogue state military, bandits, narco-criminal and other non-state threats have emerged -- SURVEILLANCE ↑
  - Increased availability of advanced weapons and technology on international market has created an asymmetric advantage for some groups -- NEED FOR FORCE PROTECTION ↑
-



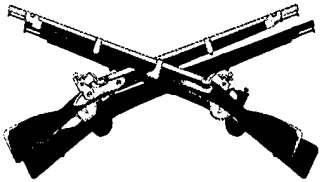


# The Road Ahead



- Infantryman = Land Warrior:
  - More lethal
  - More survivable
  - More mobile
  - Improved situation awareness
- C<sup>2</sup>
  - Communication link to command and control
  - Digital comm links to all combat support assets
  - Near perfect intelligence gathering -- situational awareness
  - Sensor shooter linkage
  - Digital links to all combat vehicles and Land Warriors
  - Combat Identification





# The Road Ahead (Future Weapon Systems)

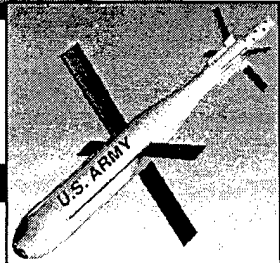
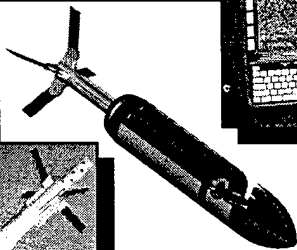


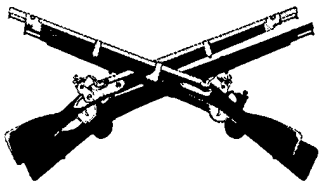
- Mortars

- Quicker response time
- Increased lethality
- Increased survivability
- Increased range
- Lighter
- Infrared Illumination

- Antiarmor Family

- Increased range
- Increased lethality
- Increased survivability (NLOS/Fire and Forget)
- MOUT capability
- Lighter





# The Road Ahead (Future Weapon Systems)

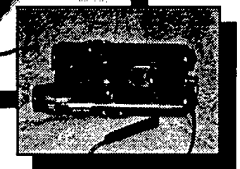
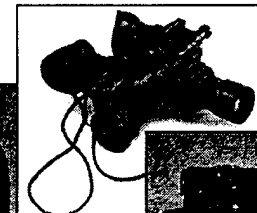
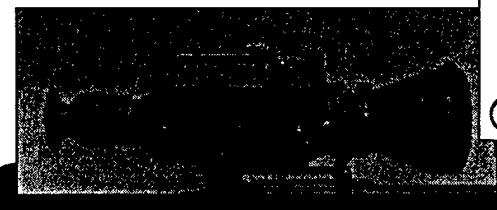


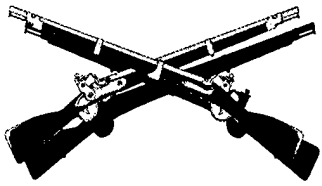
- Soldier Modernization Family

- Soldier as a system
- More lethal
- More survivable
- Lighter loads
- Digital comms
- Non-lethal program

- Own the Night Family

- Enhanced vision through sensor fusion
- Increased accuracy through integrated laser range finder/pointer
- Improved survivability through combat ID
- Integrated into digital battlefield

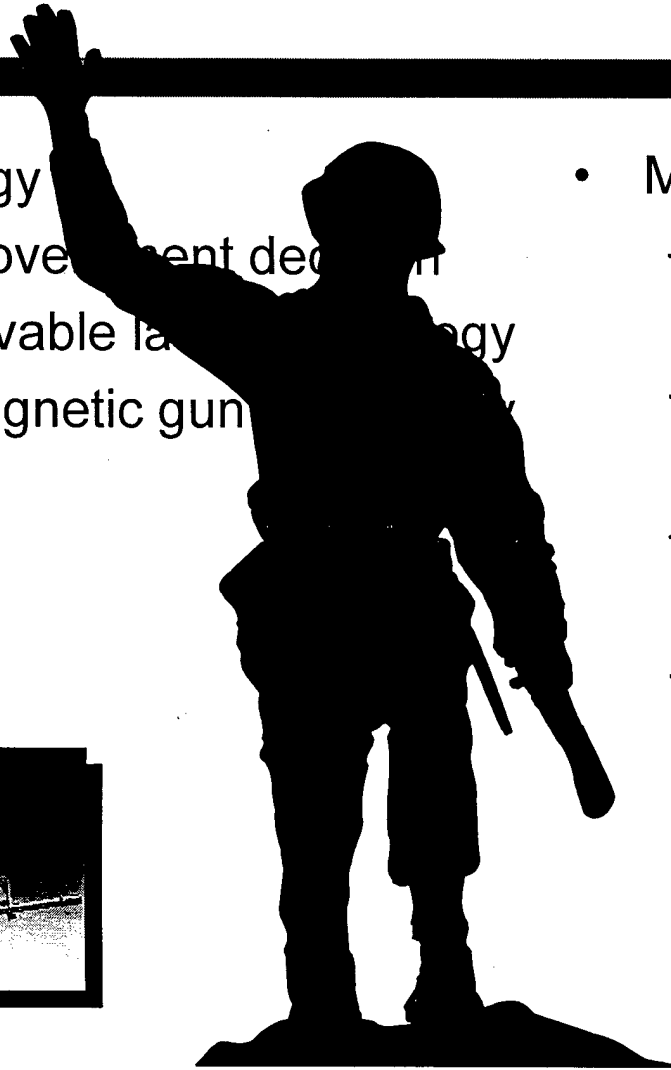
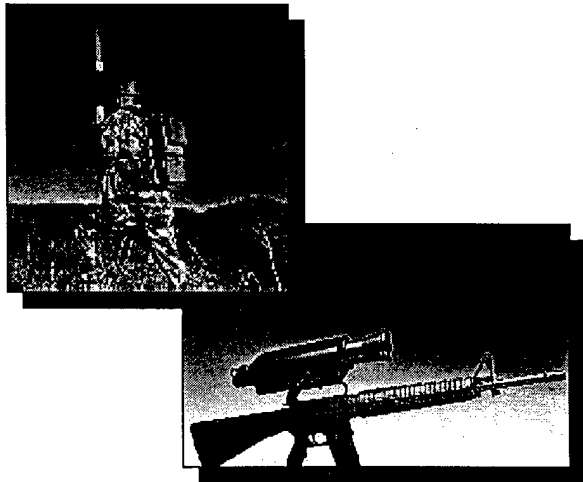


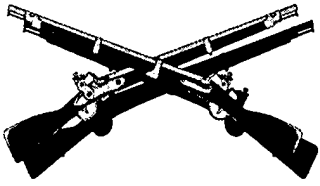


# The Road Ahead (Future Weapon Systems)



- Directed Energy
  - Pending government decision
  - Low observable laser technology
  - Electro-magnetic gun
- Micro Robotics
  - Improved unmanned surveillance/recon
  - Enhanced soldier survivability
  - Sees across visible and seismic spectrum
  - Tied into digital battlefield





# Conclusions



- 
- Revolutionary Changes
    - Digital Communications
    - Doctrine
  - Evolutionary Changes
    - Munitions
    - Capabilities
    - Survivability

